



PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 5

Application Number	10/561,839
Filing Date	June 05, 2006
First Named Inventor	Mordechai DEUTSCH et al
Art Unit	1744
Examiner Name	Not yet Assigned
Attorney Docket Number	30024

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.†	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	1	US-5,395,588	03-07-1995	North Jr. et al.	
	2	US-6,495,340	12-17-2002	Huberman et al.	
	3	US-6,495,340	12-17-2002	Huberman et al.	
	4	US-5,854,684	12-29-1998	Stabile et al.	
	5	US-4,894,343	01-16-1990	Tanaka et al.	
	6	US-5,905,031	05-18-1999	Kuylen et al.	
	7	US-4,729,949	03-08-1988	Weinreb et al.	
	8	US-2003/0032204	02-13-2003	Walt et al.	
	9	US-6,645,757	11-11-2003	Okandan et al.	
	10	US-5,506,141	04-09-1996	Weinreb et al.	
	11	US-2003/0211458	11-13-2003	Sunray et al.	
	12	US-5,272,081	12-21-1993	Weinreb	
	13	US-2005/0064524	03-24-2005	Deutsch et al.	
	14	US-2004/0235143	11-25-2004	Sasaki et al.	
	15	US-2003/0189850	10-09-2003	Sasaki et al.	
	16	US-2005/0014201	01-20-2005	Deutsch	
	17	US-5,428,451	06-27-1995	Lea et al.	
	18	US-6,377,721	04-23-2002	Walt et al.	
	19	US-5,059,266	10-22-1991	Yamane et al.	
	20	US-5,204,055	04-20-1993	Sachs et al.	
	21	US-6,046,426	04-04-2000	Jeantette et al.	
	22	US-6,066,285	05-23-2000	Kumar	
	23	US-6,117,612	09-12-2000	Halloran et al.	
	24	US-6,206,672	03-27-2001	Grenda	
	25	US-6,228,437	05-08-2001	Schmidt	
	26	US-6,238,614	05-29-2001	Yang et al.	
	27	US-6,329,195	12-11-2001	Pfäfler	
	28	US-6,333,192	12-25-2001	Petitte et al.	
	29	US-6,338,964	01-15-2002	Matanguihan et al.	
	30	US-6,342,384	01-29-2002	Chung et al.	
	31	US-6,344,354	02-05-2002	Webster et al.	
	32	US-6,372,494	04-16-2002	Naughton et al.	
	33	US-6,376,148	04-23-2002	Liu et al.	
	34	US-6,378,527	04-30-2002	Hungerford et al.	
	35	US-6,383,810	05-07-2002	Fike et al.	
	36	US-6,403,369	06-11-2002	Wood	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of copy of this form with next communication to applicant. * Applicant's unique citation designation number (optional). † See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ‡ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

§ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ¶ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. * Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /L.E./

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO				Complete if Known	
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/561,839
				Filing Date	June 05, 2006
				First Named Inventor	Mordechai DEUTSCH et al
				Art Unit	1744
				Examiner Name	Not yet Assigned
Sheet	2	of	5	Attorney Docket Number	30024

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (of class)			
	37	US-6,410,309	06-25-2002	Barbera- Guillem et al.	
	38	US-6,413,744	07-02-2002	Morris et al.	
	39	US-6,413,746	07-02-2002	Field	
	40	US-6,455,310	09-24-2002	Barbera-Guillem et al.	
	41	US-6,465,000	10-15-2002	Kim	
	42	US-6,465,205	10-15-2002	Hicks, Jr.	
	43	US-6,468,788	10-22-2002	Marotzki	
	44	US-6,479,252	11-12-2002	Barbera-Guillem et al.	
	45	US-6,489,144	12-03-2002	Lau	
	46	US-6,492,148	12-10-2002	van Loon et al.	
	47	US-6,492,163	12-10-2002	Yoo et al.	
	48	US-6,506,598	01-14-2003	Andersen et al.	
	49	US-6,511,430	01-28-2003	Sherar et al.	
	50	US-6,528,286	03-04-2003	Ryll	
	51	US-6,555,365	04-29-2003	Barbera-Guillem et al.	
	52	US-6,569,422	05-27-2003	van Loon et al.	
	53	US-6,588,586	07-08-2003	Abasolo et al.	
	54	US-6,589,765	07-08-2003	Choi et al.	
	55	US-6,593,140	07-15-2003	Field	
	56	US-6,610,516	08-26-2003	Andersen et al.	
	57	US-6,627,426	09-30-2003	Biddle et al.	
	58	US-6,635,448	10-21-2003	Bucciarelli et al.	
	59	US-6,642,050	11-14-2003	Goto et al.	
	60	US-6,649,408	11-18-2003	Bailey et al.	
	61	US-6,667,034	12-23-2003	Palsson et al.	
	62	US-6,670,180	12-30-2003	Block	
	63	US-6,670,184	12-30-2003	Chiarello et al.	
	64	US-6,673,591	01-06-2004	Lau	
	65	US-6,686,190	02-03-2004	Lau	
	66	US-6,689,594	02-10-2004	Hänni et al.	
	67	US-6,692,961	02-17-2004	Judd et al.	
	68	US-6,632,619	10-14-2003	Harrison et al.	
	69	US-2002/0106715	08-08-2002	Huberman et al.	
	70	US-5,707,869	01-13-1998	Wolf et al.	
	71	US-2002/0189374	12-19-2002	DeSilets et al.	

EXAMINER Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04 ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST 3).

⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO				Complete if Known	
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/561,839
				Filing Date	June 05, 2006
				First Named Inventor	Mordechai DEUTSCH et al
				Art Unit	1744
				Examiner Name	Not yet Assigned
Sheet	3	of	5	Attorney Docket Number	30024
U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	72	US-2003/0124716	07-03-2003	Hess et al.	
	73	US-5,650,323	07-22-1997	Root et al.	
	74	US-2003/0104494	06-05-2003	Ravkin et al.	
	75	US-6,544,788	04-08-2003	Singh	
	76	US-6,660,501	12-09-2003	Field	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Documents		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Country Code ²	Number ³ -Kind Code ⁴ (if known)				
	77	PCT	WO 99/47922	09-23-1999	Griffith et al.		
	78	JP	2005-102628	04-21-2005	Yamamura et al.		
	79	EP	1566635	08-24-2005	Muraguchi et al.		
	80	PCT	WO 2005/069001	07-28-2005	Muraguchi et al.		
	81	PCT	WO 2004/077009	09-10-2004	Deutsch		
	82	PCT	WO 98/35223	08-13-1998	Kamentsky et al.		
	83	PCT	WO 98/15356	04-16-1998	Gordon		
	84	PCT	WO 99/45357	09-10-1999	Walt et al.		
	85	PCT	WO 01/35071	05-17-2001	Bruff et al.		
	86	PCT	WO 03/056330	07-10-2003	Lassner et al.		
	87	PCT	WO 02/26114	04-4-2002	Bitsensky et al.		
	88	PCT	WO 03/011451	02-13-2003	Wang et al.		
	89	PCT	WO 02/063034	08-15-2002	Huberman et al.		
	90	PCT	WO 01/88176	11-22-2001	Sunray et al.		
	91	PCT	WO 2006/003664	01-12-2006	Deutsch et al.		
	92	PCT	WO 2006/021959	02-2-2006	Deutsch et al.		
Examiner Signature					Date Considered		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO		Complete if Known			
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	10/561,839		
		Filing Date	June 05, 2006		
		First Named Inventor	Mordechai DEUTSCH et al		
		Group Art Unit	1744		
		Examiner Name	Not yet Assigned		
Sheet	4	of	5	Attorney Docket Number	30024
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
	93	Dolbear "Fluorescent Staining of Enzymes for Flow Cytometry", Methods Cell Biol., 33(Chap.8): 81-88, 1990.			
	94	Klingel et al. "Flow Cytometric Determination of Serine Proteinase Activities in Living Cells With Rhodamine 110 Substrates", Methods Cell Biol., 41(Chap.29): 449-460, 1994.			
	95	Malin-Berdel et al. "Flow Cytometric Determination of Esterase and Phosphatase Activities and Kinetics in Hematopoietic Cells With Fluorogenic Substrates", Cytometry, 1(3): 222-228, 1980.			
	96	Nooter et al. "On-Line Flow Cytometry. A Versatile Method for Kinetic Measurement", Methods Cell Biol., 41(Chap.32): 509-526, 1994.			
	97	Turek et al. "Leucine Aminopeptidase Activity by Flow Cytometry", Methods Cell Biol., 41(Chap.30): 461-468, 1994.			
	98	Watson et al. "Enzyme Kinetics", Methods Cell Biol., 41: 469-508, 1994.			
	99	Bedner et al. "Enzyme Kinetic Reactions and Fluorochrome Uptake Rates Measured in Individual Cells by Laser Scanning Cytometry", Cytometry, 33(1): 1-9, 1998. Abstract, P.2, Col.1, §4 - Col.2, §1, P.8, Col.2, §2.			
	100	Sunray et al. "Cell Activation Influences Cell Staining Kinetics", Spectrochimica Part A, 53: 1645-1653, 1997.			
	101	Eisenenthal et al. "Infection of K562 Cells With Influenza A Virus Increases Their Susceptibility to Natural Killer Lysis", Pathobiology, 65: 331-340, 1997.			
	102	Deutsch et al. "Apparatus for High-Precision Repetitive Sequential Optical Measurement of Living Cells", Cytometry, 16: 214-226, 1994.			
	103	Sunray et al. "Determination of the Michaelis-Menten Constant (Km) of Intracellular Enzymatic Reaction for Individual Live Lymphocytes", Cytometry Supplement, 10: 68-69, & The XX Congress of the International Society for Analytical Cytology, Montpellier, F, 2000.			
	104	Darzynkiewicz et al. "Laser-Scanning Cytometry: A New Instrumentation With Many Applications", Experimental Cell Research, 249(1): 1-12, 1999. Abstract, P.2, Col.2, §4 - P.4, Col.2, §2, P.8, Col.1, §1 - Col.2, §2.			
	105	Sunray et al. "The Trace and Subgrouping of Lymphocyte Activation by Dynamic Fluorescence Intensity and Polarization Measurements", Biochemical and Biophysical Research Communications, 261(3): 712-719, 1999. Abstract, P.713, Col.1, §5, Col.2, §7 - P.714, Col.2, §1.			
	106	Sunray et al. "Determination of Individual Cell Michaelis-Menten Constants", Cytometry, 47(1): 8-16, 2002.			
	107	Dive et al. "Improved Methodology for Intracellular Enzyme Reaction and Inhibition Kinetics by Flow Cytometry", Cytometry Journal of Society for Analytical Cytology, 8(6): 552-561, 1987.			

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14, this collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2

Application Number	10/561,839
Filing Date	June 05, 2006
First Named Inventor	Mordechai DEUTSCH et al
Group Art Unit	1744
Examiner Name	Not yet Assigned
Attorney Docket Number	30024

Attorney Docket Number	30024
------------------------	-------

[illegible]

Signature	/s/ ydia Edwards/	Considered	02/18/2010
-----------	-------------------	------------	------------

* EXAMINER: Initial if reference considered whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

* Applicant's unique citation designation number (optional): * Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time required for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /L.E./